



# Quarterly Project Status

## January 25, 2006

### Vashon-Maury Island Water Resources Evaluation

January 25, 2006



# Quarterly Review

- Ongoing monitoring overview
- Modeling update
- Monitoring well update
- Budget

January 25, 2006



# Island Monitoring

- WL survey continuing in 2006
  - 24 sites
  - 10 new volunteers (from article)
- Stream and Precipitation gaging continuing
  - Plan to upgrading a site to be a "full" meteorological station
  - Plan to telemetry some sites
- All monitoring data collected in 2005 to be presented in annual data report

January 25, 2006



# Island Monitoring con't

- New dedicated setup for each monitoring well
  - Water level device (Levellogger)
  - Sampling setup
  - Plan to add telemetry to the sites
- Water Quality monitoring (~summer)
  - Environmental indicators at current sites
  - Baseline parameters at new monitoring sites

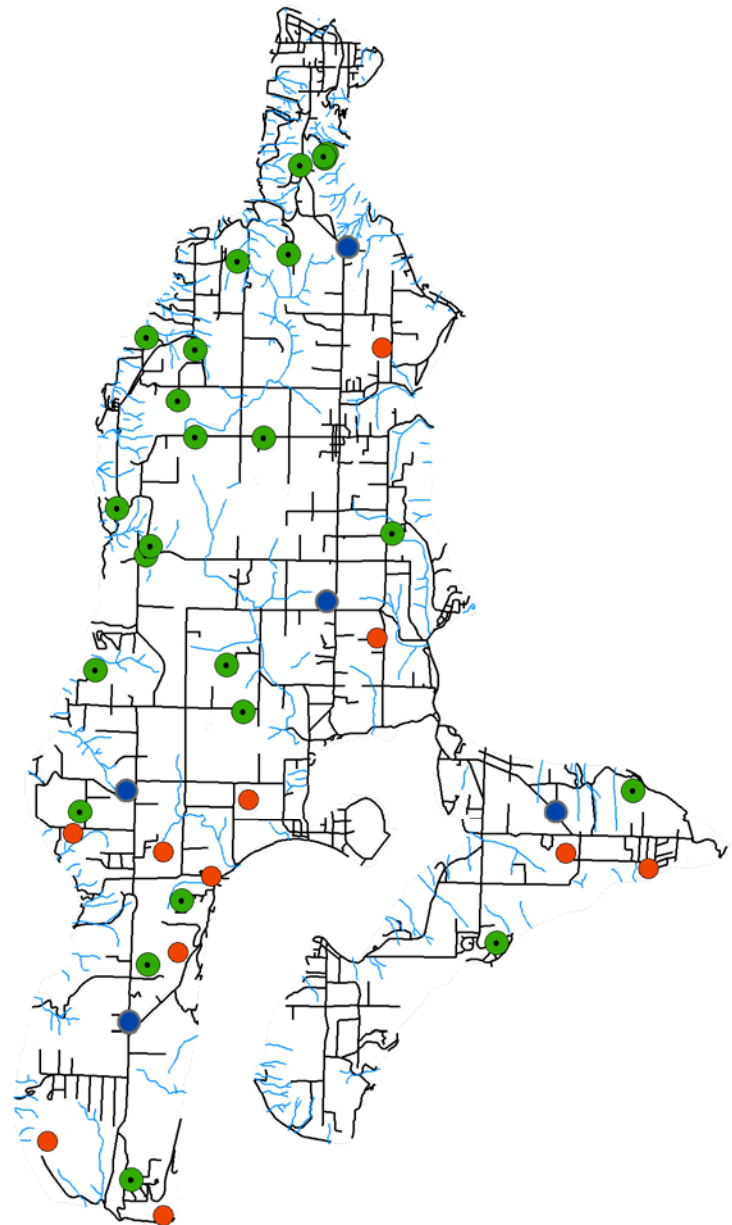
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# WL survey sites

24 Existing WL locations (green)

10 Potential WL locations (orange)

6 Monitoring Well locations (blue)



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# WRE Modeling

- Phase I modeling Peer Review
  - in review: UW - Derek Booth
- Phase II
  - Mike-SHE
    - Integrated Hydrological Modelling System
      - Surface water modeling
      - MODFLOW conversion
      - Special 3-day training session in April

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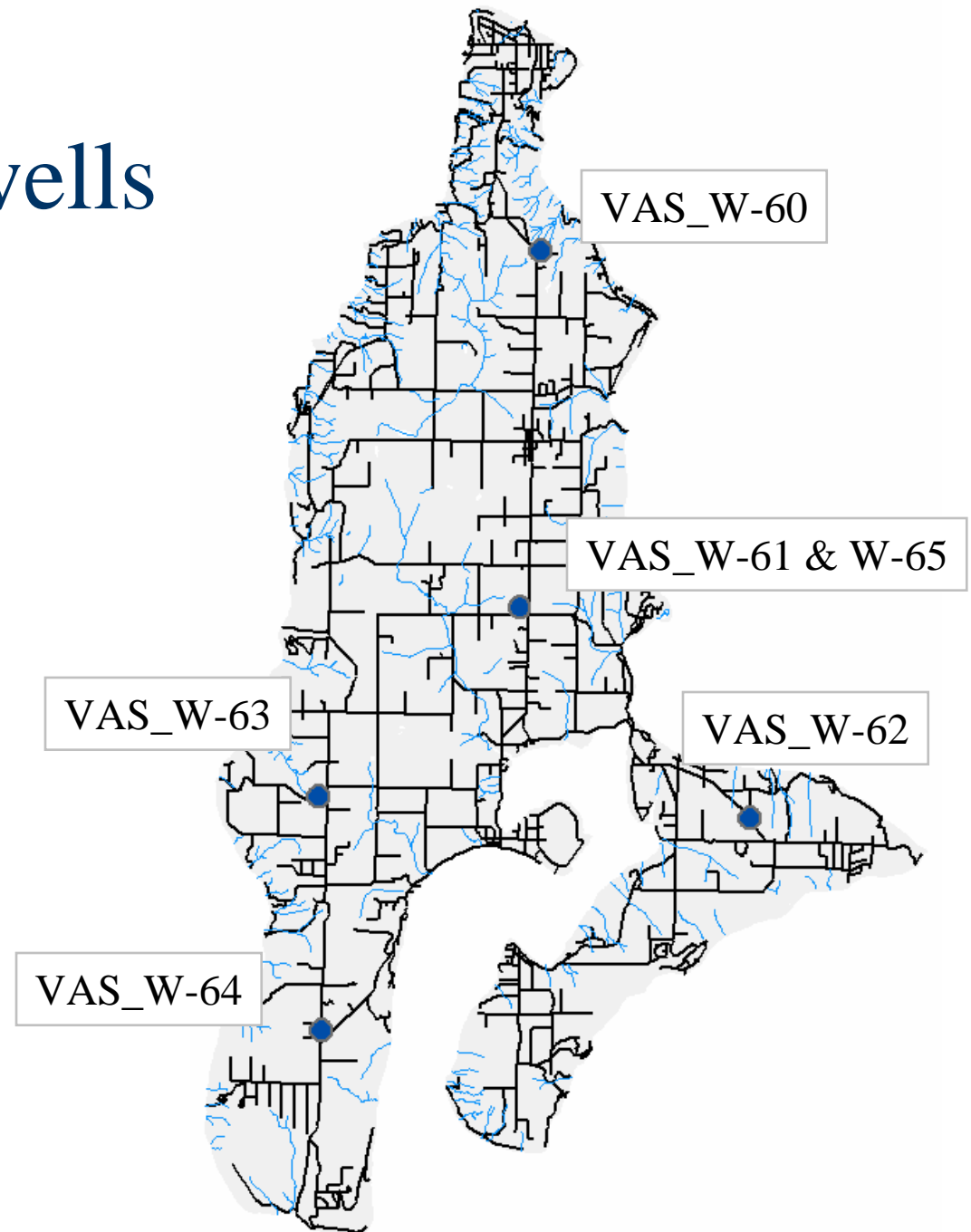
# Monitoring Well Installation

- Drilling took longer than expected, nearly 10 weeks to complete
  - Oct 17<sup>th</sup> to Dec 20<sup>th</sup>
- 5 of 6 wells drilled deeper than predicted.
  - Deepest sample 342' from Maury Island
- 1 well (Maury Island – 63<sup>rd</sup> Ave) is dry
- Issues with drilling +/- installation
  - King County DOT safety folks
  - Concerned Citizen

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# Monitoring wells

- 5 areas
- 6 wells
  - 5 - 2" wells
  - 1 - 6" well
- Pictures of the sites on the next slides



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location: Wax Orchard @ Vashon Hwy

VAS\_W-64  
Typical set-up  
w/ J-cap & lock





location: Wax Orchard @ Vashon Hwy



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VAS\_W-64

New outside bolts

New locking wellcap & lock



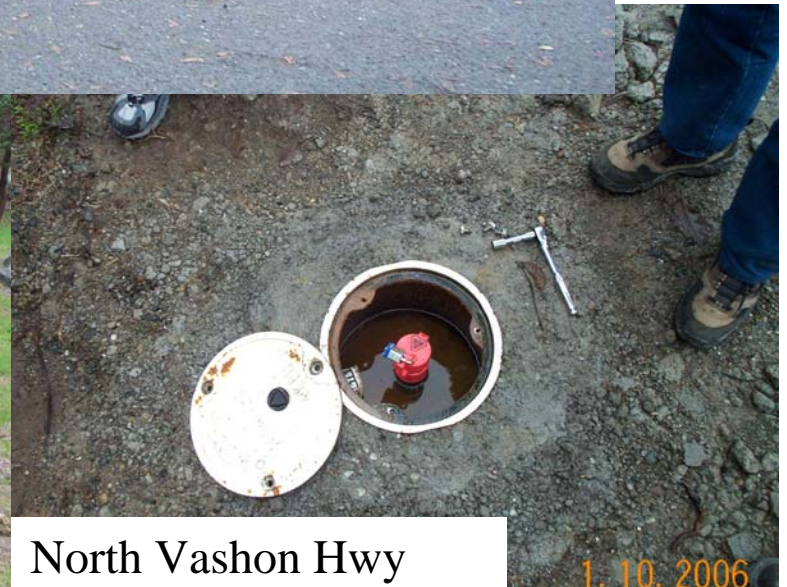


SW Redding Beach Rd  
VAS\_W-63

Maury Island- 63<sup>rd</sup> Ave SW  
VAS\_W-62



Valley Center Park-n-Ride  
VAS\_W-61 & VAS\_W-65



North Vashon Hwy  
VAS\_W-60



# Well data

- Pump test was completed in Dec 2005
  - 3 day test was done on VAS\_W-65
    - VAS\_W-61 was used as a monitoring well
- Boring Logs and associated report will be completed by King County DOT staff
  - Report expected in the next few weeks
- WRE Well Data report to be written this next quarter

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## 2005 Budget

- Project budget for 2005 is \$412,151
- Expenses for 2005: \$382,489
  - 93% of our budget
  - Capital portion can be rolled over ~\$30,000
- Project budget for 2006 is \$147,299
  - Add 2005 rollover for a new 2006 total: \$176,961

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